

<b>Notice of Allowability</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	09/887,550	LOY ET AL.	
	<b>Examiner</b>	<b>Art Unit</b>	
	Chuck O. Kendall	2192	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 01/11/06.
2. ☒ The allowed claim(s) is/are 1-57.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
  - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
    - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
  - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |  |   |
|--|---|
| 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)           |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)   | 6. <input type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date _____ |
| 3. <input checked="" type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br>Paper No./Mail Date <u>3/18/02, 10/27/03, 2/23/04, 05/15/04, 12/02/04, 6/23/05,</u> | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment                   |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material   | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance  |
|  | 9. <input type="checkbox"/> Other _____   |

Art Unit: 2192

### Examiners Amendment

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Examiner has made Attempts to contact Attorney with regards to amendment however, amendments do not change the scoop of the claims and are mere modifications to correct typographic errors and alleviate any possible 112 issues

The application has been amended as follows:

#### **IN THE CLAIMS:**

2. Please amend claims 20 and 36 as follows:

#### **Claim 20 (Currently Amended)**

At line 7, before "cluster of nodes", replace "the" with a .

#### **Claim 36 (Currently Amended)**

At line 7, before "cluster of nodes", replace "the" with a .

### **Allowance**

1. Examiner has reviewed and considered Applicants comments as indicated on pages 3 – 6 of Applicant's response dated 01/11/2006 and per Applicant's comments, regarding claims 1 – 57 claims are now in condition for allowance.

The following is an Examiner's statement of reasons for allowance. The prior art of record does not teach or fairly suggest at least:

A cluster of computing nodes having shared access to one or more volumes of data storage using a parallel file system, which is a physical file system that runs on the cluster of nodes and enables all the nodes in the cluster to access the same file data concurrently, for managing the data storage, comprising:

“...creating a session of the data management application on the session node by sending a message from the session node to the session manager node, causing the session manager node to distribute information regarding the session among the nodes in the cluster; and

responsive to the information distributed by the session manager node, receiving events at the session node from the nodes in the cluster when the nodes access the one or more volumes of data storage using the parallel file system”, as best illustrated by Figure 2 and 3 and in such a manner as recited in independent claims 1, 20 and 39.

Art Unit: 2192

“ initiating sessions of a parallel data management application on the plurality of the nodes, so that an instance of the data management application runs on each of the nodes; generating a data management event response to a request submitted to the parallel file system on at least one of the nodes to perform a file operation on a file in one of the volumes of data storage; handling the event by means of the instance of the data management application running on the at least one of the nodes ”, as best illustrated by Figure 2 and 3 and in such a manner as recited in independent claims 17,36 and 55.

Therefore, claims 1 – 57 are in condition for allowance.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled “Comments on Statement of Reasons for Allowance.”

### **Correspondence Information**

2. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Chuck Kendall whose telephone number is 571-272-3698. The examiner can normally be reached on 10:00 am - 6:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner’s supervisor, Tuan Dam can be reached on 571-272-3695. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2192

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

CK

*Chameli C. Das*  
**CHAMELI C. DAS**  
**PRIMARY EXAMINER**  
4/17/06